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Test & Measurement

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Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

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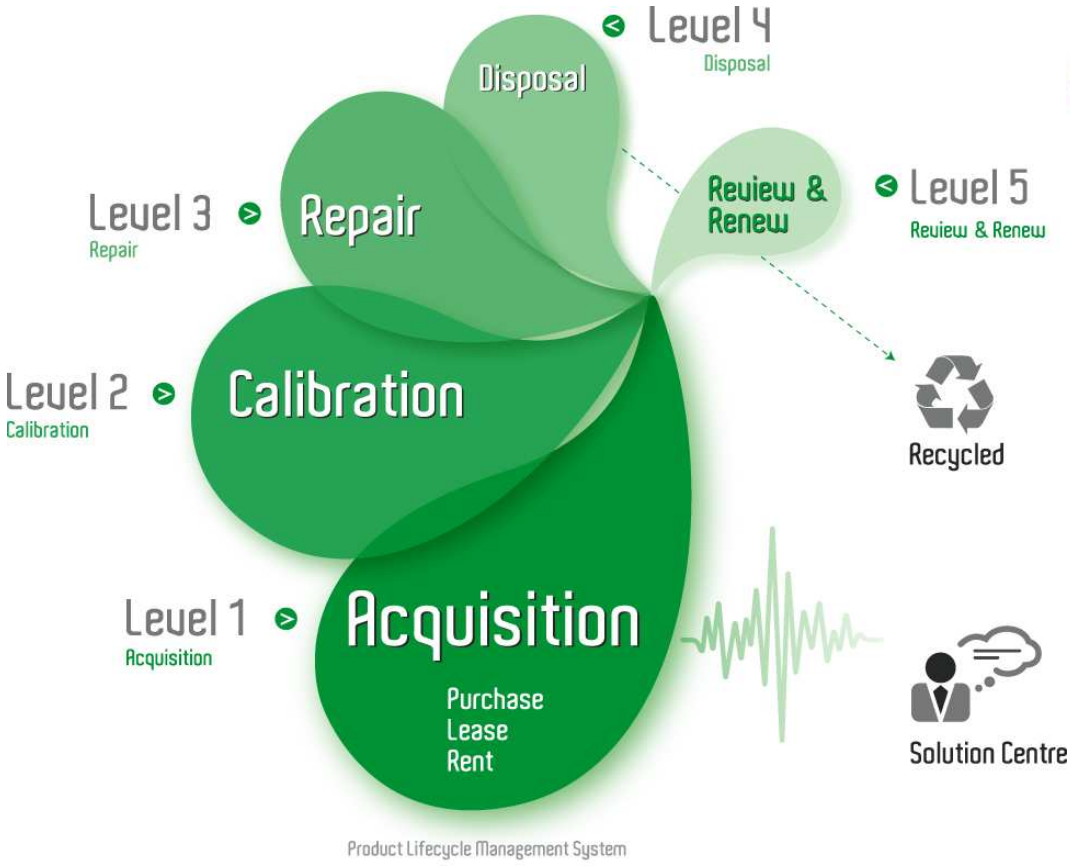

ESD Verification Attenuator Set

■ **ESD generators** are verified according to the standard IEC/EN 61000-4-2. Measurement of individual impulse parameters is performed using a special current shunt known as the "Pellegrini Target". This has an effective impedance of 2 Ohms. Because ESD events can be generated as high as 120A, attenuators are required to reduce the impulse level so it can be displayed on commercial oscilloscopes.

An oscilloscope with minimum 1GHz bandwidth is required to properly display the ESD impulse.

The verification set has been developed as a tidy unit with all the cables, attenuators and measuring shunt required to perform IEC/EN 61000-4-2.

The **ESD Verification** set is complete with instructions and an application sheet.

■ ESD Verification Set-up

To verify an ESD generator proceed as below:

1. connect the attenuator directly to the Pellegrini Target output (select the correct attenuation dependant on amplitude).
2. using 1m cable provided, connect output of the attenuator to a suitable oscilloscope
3. place the ESD generator Contact Tip against the Pellegrini Target face.
4. Connect the ESD return cable at right angles to the target plane.

The Pellegrini Target needs to be fitted into a metal plate having dimensions >1.5m x 1.5m. This can be one wall of a Faraday cage with the oscilloscope mounted inside.

■ Set consisting of

- ☑ Pellegrini Target
- ☑ 6 dB attenuator
- ☑ 20 dB attenuator
- ☑ Coaxial cable 1 meter
- ☑ User manual & Test certificate
- ☑ Functional case

■ Technical Specifications

BNC Cable length	1m
Adapter	N - BNC
Net weight	1.0 kg

Max. Impulse voltage	30kV
Output connections	N Type connector
Dimensions (W x H x D)	260 x 160 x 62mm

■ ESD Verification Set

Art. No. 249994

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